

What is claimed is:

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A method for aligning an antenna with a satellite, said method comprising:
removably attaching a compass to a rear portion of the antenna;
moving the antenna to a position wherein the compass displays a reading that
corresponds to a predetermined azimuth reading; and
retaining the antenna in said position.

2. The method of claim 1 further comprising detaching the compass from the rear portion of the antenna.

3. The method of claim 1 wherein said removably attaching a compass comprises
removably attaching a digital compass to the rear portion of the antenna.

4. A method for aligning an antenna with a satellite, said method comprising:
removably attaching a level to a rear portion of the antenna;
orienting the antenna in a position wherein the first digital level displays a reading that
corresponds to a predetermined elevation reading; and
retaining the antenna in said position.

5. The method of claim 4 wherein said removably attaching a level comprises
removably attaching a digital level to a rear portion of the antenna.

6. The method of claim 4 further comprising detaching the level from the rear portion of the antenna.

7. A method for aligning an antenna with a satellite, said method comprising:
removably attaching a compass and a level to a rear portion of the antenna;
orienting the antenna about a first axis to a first orientation wherein the compass displays a reading that corresponds to a predetermined azimuth reading;
retaining the antenna in the first orientation about the first axis;
orienting the antenna about a second axis to a second orientation until the level displays a reading that corresponds to a predetermined elevation reading; and
retaining the antenna in the second orientation about the second axis.

8. The method of claim 7 wherein said removably attaching a compass and level comprises removably attaching a digital compass and a digital level to the antenna.

9. The method of claim 7 further comprising detaching the compass and level from the antenna.

10. A method of aligning a centerline of an antenna with a satellite, wherein the antenna has a feed/LNBF assembly that is electronically coupled to a set top box which is electronically coupled to a television having a television speaker therein, said method

comprising:

affixing an audio speaker to the antenna;

operating the set top box and television such that a series of tones are emitted from the television speaker which are indicative of the alignment of the antenna centerline with the satellite;

transmitting the series of tones to the audio speaker affixed to the antenna; and

positioning the antenna until the series of tones being transmitted to the speaker affixed to the antenna has a desired frequency.

11. The method of claim 10 wherein said transmitting comprises placing a transmitter adjacent to the television speaker, said transmitter transmitting the tones emitted from the television speaker to the speaker affixed to the antenna.

12. A method of aligning a centerline of an antenna with a satellite, wherein the antenna has a feed/LNBF assembly that is electronically coupled to a set top box which is electronically coupled to a television having a television speaker therein, said method comprising:

removably attaching a compass, a level and a speaker to the antenna;

orienting the antenna about a first axis to a first orientation wherein the compass displays a reading that corresponds to a predetermined azimuth reading;

retaining the antenna in the first orientation about the first axis;

orienting the antenna about a second axis to a second orientation until the level displays

a reading that corresponds to a predetermined elevation reading;

retaining the antenna in the second orientation about the second axis;

operating the set top box and television such that a series of tones are emitted from the television speaker which are indicative of the alignment of the antenna centerline with the satellite;

transmitting the series of tones to the audio speaker affixed to the antenna;

reorienting the antenna about the first and second axes as necessary to a final orientation wherein the series of tones being transmitted to the speaker affixed to the antenna have a desired frequency; and

locking the antenna in the final orientation.

13. The method of claim 12 wherein said transmitting comprises placing a transmitter adjacent to the television speaker, said transmitter transmitting the tones emitted from the television speaker to the speaker affixed to the antenna.

14. A method for aligning an antenna with a satellite, said method comprising:

removably attaching an alignment device that has first and second digital levels therein to the antenna, the first and second digital levels cooperating to display a reading indicative of the antenna's skew orientation;

orienting the antenna about a first axis to a first orientation wherein the first digital level displays a reading that corresponds to a predetermined elevation reading;

retaining the antenna in the first orientation;

further orienting the antenna to another position wherein the first and second digital levels produce a skew reading that corresponds to a predetermined skew reading; and locking the antenna in the another position.

15. The method of claim 14 wherein the antenna is retained in the first orientation while performing said further orienting.

16. A method for aligning an antenna with a satellite, said method comprising:
removably attaching an alignment device that has a compass and first and second digital levels therein to the antenna, the first and second digital levels cooperating to display a reading indicative of the antenna's skew orientation;
orienting the antenna about a first axis to a first orientation wherein the compass displays a reading that corresponds to a predetermined azimuth reading;
retaining the antenna in the first orientation about the first axis;
orienting the antenna about a second axis to a second orientation until the first digital level displays a reading that corresponds to a predetermined elevation reading;
retaining the antenna in the second orientation about the second axis;
further orienting the antenna to a third orientation wherein the first and second digital levels cooperate to produce a skew reading that corresponds to a predetermined skew reading;
and
locking the antenna in the first, second and third orientations.

17. A method of aligning a centerline of an antenna with a satellite, wherein the antenna has a feed/LNBF assembly that is electronically coupled to a set top box which is electronically coupled to a television having a television speaker therein, said method comprising:

removably attaching an alignment device that has a compass, a speaker, and first and second digital levels therein to the antenna, the first and second digital levels cooperating to display a reading indicative of the antenna's skew orientation;

orienting the antenna about a first axis to a first orientation wherein the compass displays a reading that corresponds to a predetermined azimuth reading;

retaining the antenna in the first orientation about the first axis;

orienting the antenna about a second axis to a second orientation until the first digital level displays a reading that corresponds to a predetermined elevation reading;

retaining the antenna in the second orientation about the second axis;

further orienting the antenna to a third orientation position wherein the first and second digital levels produce a skew reading that corresponds to a predetermined skew reading;

retaining the antenna in the third orientation;

operating the set top box and television such that a series of tones are emitted from the television speaker which are indicative of the alignment of the antenna centerline with the satellite;

transmitting the series of tones to the audio speaker;

reorienting the antenna as necessary to a final orientation wherein the series of tones being transmitted to the speaker affixed to the antenna have a desired frequency; and

locking the antenna in the final orientation.

18. The method of claim 17 wherein said transmitting comprises placing a transmitter adjacent to the television speaker, said transmitter transmitting the tones emitted from the television speaker to the speaker.

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A method for aligning an antenna with a satellite, said method comprising:
mounting an adjustable mounting bracket to a structure;
supporting the antenna in the mounting bracket;
removably attaching a compass to a rear portion of the antenna;
pivoting a portion of the mounting bracket until the antenna is in a position wherein the compass displays a reading that corresponds to a predetermined azimuth reading; and
locking the portion of the mounting bracket to prevent further movement thereof.

20. The method of claim 19 further comprising mechanically retaining the antenna in the position prior to said locking.

21. The method of claim 19 wherein said mounting an adjustable mounting bracket comprises attaching a portion of the adjustable mounting bracket to a vertically extending wall of a building.

22. The method of claim 19 wherein said mounting an adjustable mounting bracket

comprises attaching a portion of the adjustable mounting bracket to a tree.

23. The method of claim 19 wherein said mounting an adjustable mounting bracket comprises affixing a portion of the adjustable mounting bracket to a vertically extending mast.

24. A method for aligning an antenna with a satellite, said method comprising:
mounting an adjustable mounting bracket to a structure;
supporting the antenna in the mounting bracket;
removably attaching a level to a rear portion of the antenna;
pivoting a portion of the mounting bracket until the antenna is in a position wherein the level displays a reading that corresponds to a predetermined elevation reading; and
locking the portion of the mounting bracket to prevent further movement thereof.

25. The method of claim 24 further comprising mechanically retaining the antenna in the position prior to said locking.

26. The method of claim 24 wherein said mounting an adjustable mounting bracket comprises attaching a portion of the adjustable mounting bracket to a vertically extending wall of a building.

27. The method of claim 24 wherein said mounting an adjustable mounting bracket comprises attaching a portion of the adjustable mounting bracket to a tree.

28. The method of claim 24 wherein said mounting an adjustable mounting bracket comprises affixing a portion of the adjustable mounting bracket to a vertically extending mast.

29. A method for aligning an antenna with a satellite, said method comprising:
mounting an adjustable mounting bracket to a structure, the adjustable mounting bracket having a movable first portion and a movable second portion attached to the movable first portion;

supporting the antenna in the movable second portion of the mounting bracket;
removably attaching a compass and a level to a rear portion of the antenna;
pivoting the first portion of the adjustable mounting bracket about a first pivot axis until the antenna is in a first orientation wherein the compass displays a reading that corresponds to a predetermined azimuth reading;

locking the first portion of the adjustable mounting bracket to prevent further movement thereof;

pivoting the second portion of the adjustable mounting bracket about a second pivot axis until the antenna is in a second orientation wherein the level displays a reading that corresponds to a predetermined elevation reading; and

locking the second portion to prevent further movement thereof.

30. A method for aligning an antenna with a satellite, said method comprising:
mounting an adjustable mounting bracket to a structure, the adjustable mounting bracket having a movable first portion and a movable second portion attached to the movable

first portion;

supporting the antenna in the second portion of the mounting bracket;

removably attaching a compass and a level to a rear portion of the antenna;

pivoting the first portion of the adjustable mounting bracket about a first pivot axis to a first position wherein the antenna is in a first orientation wherein the compass displays a reading that corresponds to a predetermined azimuth reading;

retaining the first portion of the adjustable mounting bracket in the first position;

pivoting the second portion of the adjustable mounting bracket about a second pivot axis to a second position wherein the antenna is in a second orientation wherein the level displays a reading that corresponds to a predetermined elevation reading; and

retaining the second portion of the adjustment bracket in the second position;

locking the first portion of the adjustment bracket in the first position; and

locking the second portion of the adjustment bracket in the second portion.

31. A method of aligning a centerline of an antenna with a satellite, wherein the antenna has a feed/LNBF assembly that is electronically coupled to a set top box which is electronically coupled to a television having a television speaker therein, said method comprising:

mounting an adjustable mounting bracket to a structure;

supporting the antenna in the mounting bracket;

removably affixing an audio speaker to the antenna;

operating the set top box and television such that a series of tones are emitted from the

television speaker which are indicative of the alignment of the antenna centerline with the satellite;

transmitting the series of tones to the audio speaker affixed to the antenna;

pivoting first and second portions of the mounting bracket as necessary to orient the antenna in a position which causes the series of tones being transmitted to the speaker to have a desired frequency; and

locking the first and second portions of the adjustment bracket to prevent further movement thereof.

32. A method of aligning a centerline of an antenna with a satellite, wherein the antenna has a feed/LNBF assembly that is electronically coupled to a set top box which is electronically coupled to a television having a television speaker therein, said method comprising:

mounting an adjustable mounting bracket to a structure;

supporting the antenna in the mounting bracket;

removably attaching a compass, a level and a speaker to the antenna;

moving a first portion of the adjustable mounting bracket to a first position wherein the antenna is in a first orientation about a first axis wherein the compass displays a reading that corresponds to a predetermined azimuth reading;

retaining the first portion of the adjustable mounting bracket in the first position;

moving a second portion of the adjustable mounting bracket to a ~~second~~ position

wherein the antenna is in a second orientation about a second axis wherein the level displays a

reading that corresponds to a predetermined elevation reading;

retaining the second portion of the adjustable mounting bracket in the second position;

operating the set top box and television such that a series of tones are emitted from the television speaker which are indicative of the alignment of the antenna centerline with the satellite;

transmitting the series of tones to the audio speaker affixed to the antenna;

reorienting the first and second portions of the adjustable mounting bracket as necessary to orient the antenna in a final position wherein the series of tones being transmitted to the speaker have a desired frequency; and

locking the first and second portions of the adjustable mounting bracket to prevent further movement thereof.

33. A method for aligning an antenna having a centerline with a satellite, said method comprising:

mounting an adjustable mounting bracket to a structure;

affixing an end of a mast to the antenna such that the mast is coaxially aligned with the centerline of the antenna;

supporting another end of the mast in a portion of the adjustable mounting bracket;

attaching an alignment device that has first and second digital levels therein that cooperate to display a reading indicative of the antenna's skew orientation to the antenna;

pivoting the portion of the adjustable mounting bracket to a first position wherein the antenna is oriented in a first orientation wherein the first digital level displays a reading that

corresponds to a predetermined elevation reading;

retaining the portion of the first adjustable mounting member in the first position;

rotating the another end of the mast within the portion of the adjustable mounting bracket to a second position wherein the first and second digital levels produce a skew reading that corresponds to a predetermined skew reading; and

locking the another end of the mast in the second position within the portion of the adjustable mounting bracket.

34. A method for aligning an antenna with a satellite, said method comprising:

mounting an adjustable mounting bracket to a structure, the adjustable mounting bracket having a first movable portion and a second movable portion attached to the first movable portion;

affixing an end of a mast to the antenna such that the mast is coaxially aligned with the centerline of the antenna;

supporting another end of the mast in the second movable portion of the adjustable mounting bracket;

attaching an alignment device that has a compass and first and second digital levels therein that cooperate to display a reading indicative of the antenna's skew orientation to the antenna;

moving the first movable portion of the adjustable mounting bracket about a first axis to a first position wherein the antenna is oriented in a first orientation wherein the compass displays a reading that corresponds to a predetermined azimuth reading;

retaining the first movable portion in the first position;

moving the second movable portion of the adjustable mounting bracket about a second axis to a second position wherein the antenna is oriented in a second orientation wherein the first digital level displays a reading that corresponds to a predetermined elevation reading;

retaining the second portion of the adjustable mounting bracket in the second position;

rotating the another end of the mast within the second portion of the adjustable mounting bracket until the antenna is in a third orientation wherein the first and second digital levels produce a skew reading that corresponds to a predetermined skew reading; and

locking the antenna in the first, second and third orientations.

35. A method of aligning a centerline of an antenna with a satellite, wherein the antenna has a feed/LNBF assembly that is electronically coupled to a set top box which is electronically coupled to a television having a television speaker therein, said method comprising:

mounting an adjustable mounting bracket to a structure, the adjustable mounting bracket having a first movable portion and a second movable portion attached to the first movable portion;

affixing an end of a mast to the antenna such that the mast is coaxially aligned with the centerline of the antenna;

supporting another end of the mast in the second movable portion of the adjustable mounting bracket;

attaching an alignment device that has a compass, a speaker, and first and second

digital levels therein wherein the first and second digital levels cooperate to display a reading indicative of the antenna's skew orientation to the antenna;

moving the first movable portion of the adjustable mounting bracket about a first axis to a first position wherein the antenna is oriented in a first orientation wherein the compass displays a reading that corresponds to a predetermined azimuth reading;

retaining the first movable portion in the first position;

moving the second movable portion of the adjustable mounting bracket about a second axis to a second position wherein the antenna is oriented in a second orientation wherein the first digital level displays a reading that corresponds to a predetermined elevation reading;

rotating the another end of the mast within the second portion of the adjustable mounting bracket until the antenna is in a third orientation wherein the first and second digital levels produce a skew reading that corresponds to a predetermined skew reading;

retaining the antenna in the third orientation;

operating the set top box and television such that a series of tones are emitted from the television speaker which are indicative of the alignment of the antenna centerline with the satellite;

transmitting the series of tones to the audio speaker;

repositioning the first and second movable portions and the mast within the second movable portion as necessary to move the antenna to a final orientation wherein the series of tones being transmitted to the speaker affixed to the antenna have a desired frequency;

locking the mast to the second movable portion; and

locking the first and second movable portions to prevent further movement thereof.